

Auto

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/511,270

Source: PKT

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RAW SEQUENCE LISTING

DATE: 06/06/2005

PATENT APPLICATION: US/10/511,270

TIME: 14:07:04

Input Set : D:\260617US0PCT.txt

Output Set: N:\CRF4\06062005\J511270.raw

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3 <110> APPLICANT: NAKAJIMA, HIDENORI
4      OHKUBO, MITSURU
5      YOSHIMURA, SEJI
6      NISHIO, NOBUYA
7      NISHIO, KAORI
9 <120> TITLE OF INVENTION: NOVEL 35 KD PROTEIN
11 <130> FILE REFERENCE: 260617US0PCT
13 <140> CURRENT APPLICATION NUMBER: 10/511,270
14 <141> CURRENT FILING DATE: 2004-10-20
16 <150> PRIOR APPLICATION NUMBER: PCT/JP03/05431
17 <151> PRIOR FILING DATE: 2003-04-28
19 <150> PRIOR APPLICATION NUMBER: JP 2002-126107
20 <151> PRIOR FILING DATE: 2002-04-26
22 <160> NUMBER OF SEQ ID NOS: 9
24 <170> SOFTWARE: PatentIn version 3.3
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 1061
28 <212> TYPE: DNA
29 <213> ORGANISM: Homo sapiens
31 <400> SEQUENCE: 1
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34 gtccaggaat gtgggggtct gggcctcagg ggaggggaag aagggtggaca ttgcgggtat      120
36 ctacccccctg tgaccacccc cttcactgcc actgcagagg tggactatgg ggaaactgga      180
38 ggagaatctg cacaaactgg gcaccttccc cttccgagggc ttcgtgggtcc agggctccaa      240
40 tggcgagttt cctttcctga ccagcagtga gcgcctcgag gtggtgagcc gtgtgcgcca      300
42 ggccatgccc aagaacagggc tcctgctagc tggctccgga tgcgagtcca ctcaagccac      360
44 agtggagatg accgtcagca tggcccaggt cggggctgac gcggccatgg tggtgacccc      420
46 ttgctactat cgtggccgca tgagcagtgc ggccctcatt caccactaca ccaaggttgc      480
48 tgatctctct ccaatccctg tgggtgctgta cagtgtccca gccaacacag ggctggacct      540
50 gacctgtgat gcagtgggtc cgctttccca gcaccggaat attgtgggca tgaaggacag      600
52 cgggtggatg gtgaccagga ttgggctgat tgttcacaag accaggaagc aggattttca      660
54 ggtgttggtt ggatcggtct gctttctgat ggccagctat gccttgggag ctgtgggggg      720
56 cgtctgcgcc ctggccaatg tcctgggggc tcaggtgtgc cagctggagc gactgtgctg      780
58 cacggggcaa tgggaagatg cccagaaact gcagcaccgc ctattgagc caaacgctgc      840
60 ggtgaccggg cgctttggga tcccagggtc gaagaaaatc atggactggt ttggctacta      900
62 tggaggcccc tgccgcgccc ccttgcagga gctgagcccc gctgaggagg aggcactgcg      960
64 catggatttc accagcaacg gctggctctg agggcaggca ggggtccatgg ctggcctgag      1020
66 cccatctcag cctcctgcct tgcacttgca gcctgaattc c                                1061
69 <210> SEQ ID NO: 2
70 <211> LENGTH: 327
71 <212> TYPE: PRT
72 <213> ORGANISM: Homo sapiens
74 <400> SEQUENCE: 2

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76 Met Leu Gly Pro Gln Val Trp Ser Ser Val Arg Gln Gly Leu Ser Arg
77 1 5 10 15
80 Ser Leu Ser Arg Asn Val Gly Val Trp Ala Ser Gly Glu Gly Lys Lys
81 20 25 30
84 Val Asp Ile Ala Gly Ile Tyr Pro Pro Val Thr Thr Pro Phe Thr Ala
85 35 40 45
88 Thr Ala Glu Val Asp Tyr Gly Lys Leu Glu Glu Asn Leu His Lys Leu
89 50 55 60
92 Gly Thr Phe Pro Phe Arg Gly Phe Val Val Gln Gly Ser Asn Gly Glu
93 65 70 75 80
96 Phe Pro Phe Leu Thr Ser Ser Glu Arg Leu Glu Val Val Ser Arg Val
97 85 90 95
100 Arg Gln Ala Met Pro Lys Asn Arg Leu Leu Leu Ala Gly Ser Gly Cys
101 100 105 110
104 Glu Ser Thr Gln Ala Thr Val Glu Met Thr Val Ser Met Ala Gln Val
105 115 120 125
108 Gly Ala Asp Ala Ala Met Val Val Thr Pro Cys Tyr Tyr Arg Gly Arg
109 130 135 140
112 Met Ser Ser Ala Ala Leu Ile His His Tyr Thr Lys Val Ala Asp Leu
113 145 150 155 160
116 Ser Pro Ile Pro Val Val Leu Tyr Ser Val Pro Ala Asn Thr Gly Leu
117 165 170 175
120 Asp Leu Pro Val Asp Ala Val Val Thr Leu Ser Gln His Pro Asn Ile
121 180 185 190
124 Val Gly Met Lys Asp Ser Gly Gly Asp Val Thr Arg Ile Gly Leu Ile
125 195 200 205
128 Val His Lys Thr Arg Lys Gln Asp Phe Gln Val Leu Ala Gly Ser Ala
129 210 215 220
132 Gly Phe Leu Met Ala Ser Tyr Ala Leu Gly Ala Val Gly Gly Val Cys
133 225 230 235 240
136 Ala Leu Ala Asn Val Leu Gly Ala Gln Val Cys Gln Leu Glu Arg Leu
137 245 250 255
140 Cys Cys Thr Gly Gln Trp Glu Asp Ala Gln Lys Leu Gln His Arg Leu
141 260 265 270
144 Ile Glu Pro Asn Ala Ala Val Thr Arg Arg Phe Gly Ile Pro Gly Leu
145 275 280 285
148 Lys Lys Ile Met Asp Trp Phe Gly Tyr Tyr Gly Gly Pro Cys Arg Ala
149 290 295 300
152 Pro Leu Gln Glu Leu Ser Pro Ala Glu Glu Glu Ala Leu Arg Met Asp
153 305 310 315 320
156 Phe Thr Ser Asn Gly Trp Leu
157 325
160 <210> SEQ ID NO: 3
161 <211> LENGTH: 1017
162 <212> TYPE: DNA
163 <213> ORGANISM: Rattus sp.
165 <400> SEQUENCE: 3
166 cgggatccat gctgggcccc caaatctggg cctccatgag gcaggggctg agcaggggct 60
167 tgtctaggaa cgtgaagggg aagaagatag acattgccgg catctacca cccgtgacca 120

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170 cccattcac cgccaccgca gaagtagact atgggaaact ggaagagaac ctgaacaaac 180
172 tggccgcctt ccccttttoga ggcttcgtgg tccagggctc tactggagag tttccattcc 240
174 tgaccagcct tgagcgcta gaggtggtag gccagtgcg ccaggccata cccaaggaca 300
176 agctcctgat agccggctct ggctgagagt ccacgcaagc cacagtagag atgactgtca 360
178 gcatggctca ggtgggtgct gatgcccga tggtgggtgac cccttggtac tatcgcgggc 420
180 gcatgaacag cgctgccctc attcaccact acaccaagggt tgctgatctt tctccaatcc 480
182 cgggtgggtgct gtacagtgtc ccaggcaaca cgggtctaga gctgcctgtg gatgccgtgg 540
184 tcacattgtc tcagcaccca aatatcattg gcttgaagga cagtgggtgga gatgtgacca 600
186 ggactgggct gattgttcac aagaccagca agcaggattt ccagggtgtg gctgggtcag 660
188 ttggcttctt cctggccagc tatgctgtgg gagctgttgg gggcatatgt ggctggcca 720
190 atgtcttggg ggcccagggtg tgccagctgg agagactctg cctcacaggg cagggggaag 780
192 ctgcccagag actgcagcac cgcctcatcg agcccaacac tgcggtgacc cggcgctttg 840
194 gaataccagg gctgaagaaa accatggact ggtttggcta ctatggagggt cctgccgtg 900
196 ccccttgcga ggagttgagc ccctcagagg aagaggcgct tcgcttggat ttcagcaaca 960
198 atggctggct ttaatgacaa gcgggggaca cctggtctga gctgtctcag aattccg 1017
201 <210> SEQ ID NO: 4
202 <211> LENGTH: 321
203 <212> TYPE: PRT
204 <213> ORGANISM: Rattus sp.
206 <400> SEQUENCE: 4
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209 1 5 10 15
212 Gly Leu Ser Arg Asn Val Lys Gly Lys Lys Ile Asp Ile Ala Gly Ile
213 20 25 30
216 Tyr Pro Pro Val Thr Thr Pro Phe Thr Ala Thr Ala Glu Val Asp Tyr
217 35 40 45
220 Gly Lys Leu Glu Glu Asn Leu Asn Lys Leu Ala Ala Phe Pro Phe Arg
221 50 55 60
224 Gly Phe Val Val Gln Gly Ser Thr Gly Glu Phe Pro Phe Leu Thr Ser
225 65 70 75 80
228 Leu Glu Arg Leu Glu Val Val Ser Arg Val Arg Gln Ala Ile Pro Lys
229 85 90 95
232 Asp Lys Leu Leu Ile Ala Gly Ser Gly Cys Glu Ser Thr Gln Ala Thr
233 100 105 110
236 Val Glu Met Thr Val Ser Met Ala Gln Val Gly Ala Asp Ala Ala Met
237 115 120 125
240 Val Val Thr Pro Cys Tyr Tyr Arg Gly Arg Met Asn Ser Ala Ala Leu
241 130 135 140
244 Ile His His Tyr Tyr Lys Val Ala Asp Leu Ser Pro Ile Pro Val Val
245 145 150 155 160
248 Leu Tyr Ser Val Pro Gly Asn Thr Gly Leu Glu Leu Pro Val Asp Ala
249 165 170 175
252 Val Val Thr Leu Ser Gln His Pro Asn Ile Ile Gly Leu Lys Asp Ser
253 180 185 190
256 Gly Gly Asp Val Thr Arg Thr Gly Leu Ile Val His Lys Thr Ser Lys
257 195 200 205
260 Gln Asp Phe Gln Val Leu Ala Gly Ser Val Gly Phe Leu Leu Ala Ser
261 210 215 220
264 Tyr Ala Val Gly Ala Val Gly Gly Ile Cys Gly Leu Ala Asn Val Leu

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```

265 225          230          235          240
268 Gly Ala Gln Val Cys Gln Leu Glu Arg Leu Cys Leu Thr Gly Gln Gly
269          245          250          255
272 Glu Ala Ala Gln Arg Leu Gln His Arg Leu Ile Glu Pro Asn Thr Ala
273          260          265          270
276 Val Thr Arg Arg Phe Gly Ile Pro Gly Leu Lys Lys Thr Met Asp Trp
277          275          280          285
280 Phe Gly Tyr Tyr Gly Gly Pro Cys Arg Ala Pro Leu Gln Glu Leu Ser
281          290          295          300
284 Pro Ser Glu Glu Glu Ala Leu Arg Leu Asp Phe Ser Asn Asn Gly Trp
285 305          310          315          320
288 Leu
292 <210> SEQ ID NO: 5
293 <211> LENGTH: 202
294 <212> TYPE: PRT
295 <213> ORGANISM: Rattus sp.
298 <220> FEATURE:
299 <221> NAME/KEY: misc_feature
300 <222> LOCATION: (165)..(165)
301 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
303 <400> SEQUENCE: 5
305 Gly Arg Met Asn Ser Ala Ala Leu Ile His His Tyr Thr Lys Val Ala
306 1          5          10          15
309 Asp Leu Ser Pro Ile Pro Val Val Leu Tyr Ser Val Pro Gly Asn Thr
310          20          25          30
313 Gly Leu Glu Leu Pro Val Asp Ala Val Val Thr Leu Ser Gln His Pro
314          35          40          45
317 Asn Ile Ile Gly Leu Lys Asp Ser Gly Gly Asp Val Thr Arg Thr Gly
318          50          55          60
321 Leu Ile Val His Lys Thr Ser Lys Gln Asp Phe Gln Val Leu Ala Gly
322 65          70          75          80
325 Ser Val Gly Phe Leu Ala Ser Tyr Ala Val Gly Ala Val Gly Gly
326          85          90          95
329 Ile Val Gly Leu Ala Asn Val Leu Gly Ala Gln Val Cys Gln Leu Glu
330          100          105          110
333 Arg Leu Cys Leu Thr Gly Gln Gly Glu Ala Ala Gln Arg Leu Gln His
334          115          120          125
337 Arg Leu Ile Glu Pro Asn Thr Ala Val Thr Arg Arg Phe Gly Ile Pro
338          130          135          140
341 Gly Leu Lys Lys Thr Met Asp Trp Phe Gly Tyr Tyr Gly Gly Pro Cys
342 145          150          155          160
W--> 345 Arg Ala Pro Leu Xaa Glu Leu Ser Pro Ser Glu Glu Glu Ala Leu Arg
346          165          170          175
349 Leu Asp Phe Ser Asn Asn Gly Trp Leu Gln Ala Gly Asp Thr Trp Ser
350          180          185          190
353 Glu Leu Ser Gln Thr Leu Val Pro Thr Val
354          195          200
357 <210> SEQ ID NO: 6
358 <211> LENGTH: 30

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359 <212> TYPE: DNA
360 <213> ORGANISM: Rattus sp.
362 <400> SEQUENCE: 6
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366 <210> SEQ ID NO: 7
367 <211> LENGTH: 24
368 <212> TYPE: DNA
369 <213> ORGANISM: Rattus sp.
371 <400> SEQUENCE: 7
372 cggaattctg agacagctca gacc      24
375 <210> SEQ ID NO: 8
376 <211> LENGTH: 29
377 <212> TYPE: DNA
378 <213> ORGANISM: Homo sapiens
380 <400> SEQUENCE: 8
381 gaagatctat gctgggtccc caagtctgg      29
384 <210> SEQ ID NO: 9
385 <211> LENGTH: 30
386 <212> TYPE: DNA
387 <213> ORGANISM: Homo sapiens
389 <400> SEQUENCE: 9
390 ggaattcagg ctgcaagtgc aaggcaggag      30

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RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : D:\260617US0PCT.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; Xaa Pos. 165

VERIFICATION SUMMARY

DATE: 06/06/2005

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Input Set : D:\260617US0PCT.txt

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L:345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:160